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**MATERIAL SAFETY DATA SHEET**

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**Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

**Product Name:** Linctol Cough Mixture

**Product Code:** 61055 (120mL)

**Recommended Use:** For the suppression of coughing in dogs and cats.

**Company Identification:** Jurox Pty Limited

**Address:** 85 Gardiner Street  
Rutherford NSW 2320  
Australia

**Customer Centre:** 1800 023 312

**National Poisons Information Centre:** 131126 (Australia-wide)

**Emergency Telephone Number:** 1800 023 312 (9a.m. – 5p.m.)

**Section 2: HAZARDS IDENTIFICATION**

**Hazard Classifications:** Considered a Non-Hazardous Substance according to the criteria of NOHSC Australia.  
  
Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

**Poisons Schedule:** S4

**Risk phrases:** Ingestion may produce health damage\*  
Cumulative effects may result following exposure\*  
May produce discomfort of the skin\*  
Possible skin sensitiser\*  
May be harmful to the foetus/embryo\*  
(\* limited evidence)

**Safety phrases:** Do not breathe vapours  
Avoid contact with skin and eyes  
Wear eye/face protection  
In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre

**Section 3: COMPOSITION / INFORMATION on INGREDIENTS**

INGREDIENT	CAS No.	CONTENT
Dextromethorphan hydrobromide	125-69-9	0.2%
Ephedrine hydrochloride	134-71-4	0.1%
Chlorpheniramine maleate	113-92-8	0.04%
Water	7732-18-5	>95%

**Section 4: FIRST AID MEASURES**

<b>First Aid Measures:</b>	Consult the National Poisons Centre on 131126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
<b>Inhalation:</b>	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually not necessary.
<b>Ingestion:</b>	If swallowed, DO NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Give water to rinse mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.
<b>Skin:</b>	If skin contact occurs, Immediately remove all contaminated clothing, including footwear. Wash affected area thoroughly with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.
<b>Eye:</b>	If eye contact occurs, rinse cautiously with water for at least 20 minutes. If eye irritation persists, get medical advice/attention.
<b>Advice to Doctor:</b>	Contains a bronchodilator (Ephedrine Hydrochloride), a morphinan (Dextromethorphan Hydrobromide) and an antihistamine (Chlorpheniramine Maleate). Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not flammable.
<b>Hazardous Combustion Products:</b>	If involved in a fire, may emit noxious fumes. Non-combustible – not considered to be a significant fire risk.
<b>Extinguishing Media:</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
<b>Protective Equipment:</b>	Protective gloves and boots and breathing apparatus
<b>HAZCHEM Code:</b>	None specified

**Section 6: ACCIDENTAL RELEASE MEASURES**

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precautions:</b>	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

**Section 7: HANDLING AND STORAGE**

<b>Handling:</b>	Avoid contact with skin and eyes. Use personal protective equipment as required.
<b>Storage:</b>	Linctol Cough Mixture is a Scheduled Poison and therefore must be stored and maintained in accordance with the relevant Poisons legislation. Keep out of reach of children. Store in original container, away from foodstuffs. Store below 30°C. (room temperature).
<b>Other Information:</b>	Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits:</b>	No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood.
<b>Protective Equipment:</b>	Safety glasses with eye side shields or chemical goggles. Chemical protective gloves, e.g. PVC. Safety footwear or safety gumboots, e.g. rubber.
<b>Engineering Controls:</b>	Handle in a well ventilated area.
<b>Hygiene Precautions:</b>	Do not drink, eat or smoke when handling this product. Wash hands after use.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear red liquid with an aniseed odour.
<b>Specific Gravity:</b>	1.25 – 1.27.
<b>Solubility in Water:</b>	Miscible.
<b>Flash Point:</b>	Not flammable.
<b>pH:</b>	4.0 – 5.0.

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	When stored appropriately this product should show no significant degradation for at least 24 months from the date of manufacture
<b>Hazardous Polymerisation:</b>	Not known to occur.
<b>Materials to Avoid:</b>	None known.

## Section 11: TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Unlikely to present an inhalation hazard due to the non-volatile nature of the product.
<b>Ingestion:</b>	<p>Accidental ingestion of the material may be damaging to the health of the individual. Ephedrine and its derivatives mimic adrenaline, and may produce severe high blood pressure if ingested. Large doses may cause giddiness, headache, nausea, vomiting, sweating, thirst, rapid heartbeat, itchiness, pain in the front of the chest, palpitations, difficulty in urinating, muscle weakness and tremors, restlessness and difficulty sleeping. Due to the presence of Dextromethorphan hydrobromide, overdose may produce paranoid psychosis, delusions and hallucinations.</p> <p><b>Dextromethorphan hydrobromide:</b> Oral (mouse) LD<sub>50</sub>: 165 mg / kg. <b>Ephedrine hydrochloride:</b> Oral (mouse) LD<sub>50</sub>: 400 mg / kg. <b>Chlorpheniramine maleate:</b> Oral (rat) LD<sub>50</sub>: 118 mg / kg.</p>
<b>Skin:</b>	May cause inflammation of the skin on contact in some persons.
<b>Eye:</b>	May cause eye irritation in some persons.
<b>Chronic Effects:</b>	Substance accumulation, in the body, may occur and may cause some concern following repeated or long-term occupational exposure. Due to the presence of Dextromethorphan hydrobromide, prolonged or repeated contact may lead to liver and kidney damage. Exposure to the product should be minimised.
<b>Reproductive Toxicity:</b>	There is some evidence from animal testing that exposure to this material may result in toxic effects to the unborn baby.
<b>Mutagenicity:</b>	Not known to be a mutagen.
<b>Carcinogenicity:</b>	Not known to be carcinogenic.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Toxic to aquatic organisms. Do NOT discharge into sewers or waterways.

**Section 13: DISPOSAL INFORMATION**

**Product Disposal:** Dispose of product only by using according to label or by approved waste collection.

**Container Disposal:** Wrap with paper and place in garbage.

**Section 14: TRANSPORT INFORMATION**

**Dangerous Goods Classification:** Not classed as a Dangerous Good for transport purposes by road, sea or air

**Section 15: REGULATORY INFORMATION**

**APVMA Registration No:** 36337

**Section 16: OTHER INFORMATION**

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.